

PCHEL'NIKOV, N.O.

Utilization of production potentials. Trakt. i sel'khoznash. no. 7:38-  
40 J1 '58.  
(Agricultural machinery industry)

1. N. G. PCHEL'NIKOV., Eng.
2. USSR (600)
4. Agricultural Machinery Industry
7. Pattern shops at the Rostov Agricultural Machinery Factory. Sel'khozmashina no. 1. 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

PCHEL'NIKOV, N. G., ENG.

Rolling (Metalwork)

Rolling out drum teeth for the Stalinets-6 combine in a series. Sel'khozmashina No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. ~~1953~~, Uncl.

PCHEL'NIKOV, N. G., Eng.

Combines (agricultural machinery)

Rolling out drum teeth for the Stalinets-6 combine in a series. Sel'khozmashina No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952.~~1993~~, Unc1.

DOBROGURSKIY, Sergey Osipovich, prof.; KAZAKOV, Vyacheslav Antipovich,  
dotsent; TITOV, Viktor Konstantinovich, dotsent; PCHEL'NIKOV,  
N.I., prof., doktor tekhn.nauk; retsenzient; PARSUZHIN, L.N.,  
prof., doktor tekhn.nauk, nauchnyy red.; BOGOMOLOVA, N.P.,  
izdat.red.; ROZHIN, V.P., tekhn.red.

[Computing machines] Schetno-reshaiushchie ustroistva. Moskva,  
Gos.izd-vo obor.promyschl., 1959. 463 p. (MIRA 12:8)  
(Calculating machines)

94230

20417  
S/109/60/005/012/015/035  
E192/E382

AUTHOR: Pchel'nikov, Yu.N.

TITLE: Determination of the Coefficients of the Equation  
of the Propagation Constants in a Helical Line with  
a Tubular Beam

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol. 5,  
No. 12, pp. 1968 - 1973

TEXT: Helical lines are very widely used as slow-down systems in travelling-wave tubes but the problem of determining their propagation constants in the presence of an electron beam interacting with the wave has not been sufficiently studied. In the following this problem is investigated by the method proposed in an earlier article (Ref. 5) and the coupling and depression coefficients for the helix are determined. The helix has a radius  $b$  and the angle of the inclination of its turns to its axis is  $\theta$ . An axially symmetrical tubular (hollow cylindrical) beam of electrons passes through the helix; the internal radius of the beam is  $a_1$ , while the external is  $a_2$ . The scattering

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S/109/60/005/012/015/035  
E192/E332

Determination of the Coefficients of the Equation of the  
Propagation Constants in a Helical Line with a Tubular Beam

$$f_1(Z) = \frac{J_1(Z)}{J_0(Z)} Z, \quad (2)$$

$$f_2(Z) = \frac{K_1(Z)}{K_0(Z)} Z, \quad (3)$$

Also, where  $Z$  - corresponding argument;  
 $f(a\tau, aT) = \frac{K_0(r)}{J_0(a\tau)} [f_1(aT) + f_2(a\tau)]; \quad (4)$

$$f(aT, a\tau) = \frac{K_0(aT)}{J_0(a\tau)} [f_1(a\tau) + f_2(aT)], \quad (5)$$

where  $a = a_1 a_2 i$

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S/109/60/005/012/015/035  
E192/E382

Determination of the Coefficients of the Equation of the  
Propagation Constants in a Helical Line with a Tubular Beam

$$G(b\tau) = \frac{I_0(b\tau)}{K_0(b\tau)} \left[ 1 - \frac{k^2 \lg^2 \Phi}{\tau^2} \frac{I_1(b\tau) K_1(b\tau)}{I_0(b\tau) K_0(b\tau)} \right]; \quad (6)$$

where  $I_0$ ,  $I_1$ ,  $K_0$ ,  $K_1$  are modified Bessel functions of the first and second kinds;  $\approx$  and  $T$  are radial constants, the first of which relates to the region unoccupied by the beam while the second one is for the beam region.

$k = \omega \sqrt{\epsilon \mu}$  is the phase constant of the medium, where  $\omega$  is the frequency of the field and  $\epsilon$  and  $\mu$  are the permittivity and permeability of the medium. The radial constant  $\approx$  can be determined from:

$$\approx^2 = -\gamma^2 - k^2 \quad (7)$$

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S/109/60/005/012/015/035  
E191/L382

Determination of the Coefficients of the Equation of the Propagation Constants in a Helical Line with a Tubular Beam where  $\gamma$  is the propagation of the electromagnetic waves along the system. The radial constant  $T$  is approximately expressed by:

$$T^2 = \gamma^2 \left[ 1 + \frac{q}{\left( \gamma + \frac{j\omega}{u_0} \right)^2} \right] \quad (8)$$

where  $q = e i_0 / m e u_0^3$  is the square of the plasma wave number of an infinitely wide beam,  $i_0$  is the constant component of the current density in the beam and  $u_0$  is the velocity of the electrons. The scattering equation, together with

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S/109/60/005/012/015/035  
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Determination of the Coefficients of the Equation of the Propagation Constants in a Helical Line with a Tubular Beam

Eqs. (7) and (8), permits the determination of the propagation constant  $\gamma$ . Now, the coupling coefficient can be found from (Ref. 5):

$$K = \frac{\gamma_0^2}{\beta_0^2} \cdot \frac{1}{\left. \frac{dT}{d\tau} \right|_{\tau_0} - 1} \quad (11)$$

while the depression coefficient is defined by:

$$\Gamma = \frac{1}{4} \left\{ 1 - \frac{3}{\left. \frac{dT}{d\tau} \right|_{\tau_0} - 1} + \frac{\left. \tau_0 \frac{d^2T}{d\tau^2} \right|_{\tau_0}}{\left[ \left. \frac{dT}{d\tau} \right|_{\tau_0} - 1 \right]^3} \right\}. \quad (12)$$

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S/100/00/003/012/015/035  
E192/1.362

Determination of the Coefficients of the Equation of the Propagation Constants in a Helical Line with a Tubular Beam

In the above,  $b_0$  is the phase constant of the system in the absence of the beam and losses, the subscript  $\Sigma_0$  with the derivatives in Eqs. (11) and (12) shows that their values are taken at  $T = \tau = \Sigma_0$ . The derivatives necessary for determining  $K$  and  $\Gamma$  can be obtained by differentiating Eq. (1). This operation is performed and the expressions for  $K$  and  $\Gamma$  are derived. The resulting formula for  $K$  is plotted in Fig. 1 as a function of  $a_2/a_1$  for various values of  $\beta\Sigma_0$ . The formula for  $\Gamma$  is plotted in three figures. By comparing the above results for the depression coefficient with the results of Fletcher (Ref. 8) it is found that serious discrepancies between those results are observed. However, for small values of  $a_1/b$  when the coupling between the beam

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S/109/60/005/012/015/035  
E192/E362

Determination of the Coefficients of the Equation of the Propagation Constants in a Helical Line with a Tubular Beam and the helix is small. It coincides with the expression obtained by Vaynshteyn (Ref. 1). The results of this work can be used for the design of the travelling-wave tubes with a solid as well as with hollow cylindrical electron beams. The author expresses acknowledgement to I.N. Loshakov for valuable advice. There are 4 figures and 8 references; 7 Soviet and 1 non-Soviet.

SUBMITTED: February 9 1960

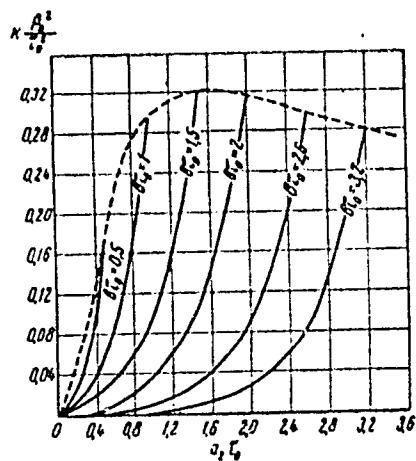
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20417

S/109/60/005/012/015/035  
E192/E382

Determination of the Coefficients of the Equation of the  
Propagation Constants in a Helical Line with a Tubular Beam

Fig. 1:



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L 60966-65 SEC(b)-2/EWA(h)/EWT(1) PI-4/Pj-4/Pm-4/Pn-4/Pac-4/Peb JH  
ACCESSION NR: AP5019014 UR/0286/65/000/012/0038/0039  
621.385.632

AUTHOR: Kuklev, Yu. I.; Pchel'nikov, Yu. N.

TITLE: Traveling wave tube, Class 21, No. 171928

SOURCE: Byulleten' izobreteniy i tovarknykh znakov, no. 12, 1965, 38-39

TOPIC TAGS: traveling wave tube, helical delay system

ABSTRACT: The proposed medium- or high-power traveling-wave tube (Fig. 1 of Enclosure) contains a helical delay system and an attenuator insert. The insert is in the form of a cavity absorber between the helix and the metal envelope. To improve the efficiency of the TWT and facilitate heat transfer from the absorber, the shield has a projection close to the absorber with an inner diameter smaller than the diameter of the rest of the TWT envelope. Orig. art. has: 1 figure. [TS]

ASSOCIATION: none

SUBMITTED: 15May64

ENCL: 01

SUB CODE: EC

NO REF Sov: 000

OTHER: 000

ATD PRESS: 4059

Card 1/2

L 60966-65  
ACCESSION NR: AP5019014

ENCLOSURE: 01

O

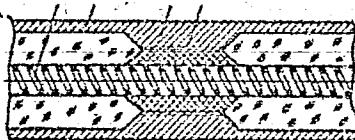


Fig. 1. Traveling-wave tube

- 1 - Helical delay system;  
2 - attenuator; 3 - metal envelope; 4 - projection.

*b7c*  
Card 2/2

LOSHAKOV, L.N.; OL'DEROGGE, Ye.B.; PCHEL'NIKOV, Yu.N.

Possibility of obtaining a negative depression coefficient in a  
traveling-wave tube. Radiotekh. i elektron. 10 no.4:681-683 Ap  
'65. (MIRA 18:5)

LOSHAKOV, L.N.; PCHEL'NIKOV, Yu.N.

Approximate evaluation of the amplification of a traveling wave tube  
with large current parameters. Radiotekh. i elektron. 8 no.5:  
800-806 My '63. (MIRA 16:5)

(Traveling-wave tubes)

LOSHAKOV, Lev Nikolayevich; PCHEL'NIKOV, Yuriy Nikitich; IVANUSHKO,  
N.P., red.

[Theory and calculation of the gain of a traveling-wave tube]  
Teoriia i raschet usilenii rampy s perpuschchei volnoi. Sc-  
skva, Sovetskoe radio, 1964. 238 p. (MIRA 17:2)

L 10261-63

EMT(1)/BDS--AFFTC/ASD

ACCESSION NR: AP3000561

8/0109/63/008/005/0800/0806

AUTHOR: Loshakov, L. N.; Pchel'nikov, Yu. N.

51

TITLE: Approximate evaluation of the traveling-wave tube gain with a heavy-current parameter

SOURCE: Radiotekhnika i elektronika, v. 8, no. 5, 1963, 800-806

TOPIC TAGS: TW tube gain

ABSTRACT: Pierce's evaluation of TW-tube gain may be crude because it does not allow for the parameters of the bunch and the system, which is important in the case of medium-power tubes. A better approximation is offered, based on a solution of the characteristic equation of the propagation factors. Simple formulas are developed for evaluating the maximum gain, under linear conditions, with high values of the current and with rather low coefficients of coupling between the delay line and the electron stream. In this case the maximum gain is determined by the square root of the coupling coefficients and by the fourth-power root of the electron-stream density. Orig. art. has 45 equations.

Cord. 1/2/

FCHEL'NIKOV, Yu.N.

Determination of equation coefficients for propagation constants  
in a spiral line with a tubular beam. Radiotekh. i elektron. 5  
no. 12:1968-1973 D'60.  
(MIRA 13:11)  
(Traveling-wave tube)

28526

S/109/61/006/004/009/018  
D201/D302

9.4230 (also 1532)

AUTHOR: Pchel'nikov, Yu.N.

TITLE: Interaction of the electron beam with the helix field  
in the vicinity of an absorbing insert

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 9, 1961,  
1501 - 1507

TEXT: In the present article, the author gives an approximate method of evaluating the built-up wave near an attenuator, together with that for evaluation of scattered power, and for finding the dependence of the efficiency of a tube with a helix on the introduced attenuation and the positioning of the insert. To simplify the mathematics, it is assumed that the tube has a helix ~~surrounded by an infinite conducting medium or having a finite conductivity in the direction perpendicular to its turns. Considering a helix of radius b, with an electron beam of the same radius, surrounded on the outside by an infinite conducting medium having conductivity σ, the specific inductive capacitance of the medium is~~ Card 1/6

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Interaction of the electron ...

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S/109/61/006/009/009/018  
D201/D302

complex

$$\epsilon_1 = \epsilon(1 - j \frac{\sigma}{\epsilon \omega}), \quad (1)$$

where  $\epsilon$  - the specific inductive capacitance of the outer medium with no conductivity present;  $\omega$  - angular wave frequency;  $j = \sqrt{-1}$ . The specific inductive capacitance of the medium of helix is denoted as  $\epsilon_1$ . For this system a solution is sought for the propagation constants of electromagnetic waves. Only the axially symmetrical solutions are considered for a wave depending on time  $t$  and coordinate  $z$ , i.e. expressed by  $e^{j\omega t + \gamma z}$ , where  $\gamma = -j\beta + \alpha$  is the propagation constant;  $\beta$  - the phase constant;  $\alpha$  - constant of build up of the wave. The propagation constant in the absence of the beam is further denoted as  $\gamma_0 = -j\beta_0 - \mu_0$ . Solving the problem in the usual manner, a transcendental dispersion equation is obtained determining the propagation constants. The solution contains modified Bessel functions of the 1st and 2nd kind, of arguments  $bT$ ,  $b\tau$  and  $b\tau_1$ , where  $T$ ,  $\tau$  and  $\tau_1$  - radial constants;  $\tau$  and  $\tau_1$  are rela-

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D201/D302

Interaction of the electron ...

ted to the propagation constant  $\gamma$  by

$$\gamma^2 = -\tau^2 - k^2 = -\tau_1^2 - k_1^2 \quad (4)$$

where  $k$  and  $k_1$  - phase constants determined by the usual expressions. Constants  $T$  and  $\tau$  are related to each other by

$$\frac{T^2}{\tau^2} = 1 + \frac{q}{(\gamma + j \frac{\omega}{u_0})^2}, \quad (6)$$

in which  $q$  - the square of the plasma wave number of an infinitely wide beam of the same density as the one under consideration;  $u_0$  - the constant component of electron velocity. Applying approximate representation of Bessel functions of large arguments and after mathematical operations, the equation for dispersion is given in the form of

$$\frac{2\gamma^2}{k^2 \operatorname{tg}^2 \alpha} + \frac{\epsilon_1}{\epsilon_0} + 1 = 1 - \frac{T}{\tau} \quad (8) \quad \checkmark$$

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Interaction of the electron ...

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where  $\Phi$  the angle between the direction of the turns and the longitudinal axis of the helix. Assuming further that  $\epsilon_1 = \epsilon_0$  or

$$\frac{\epsilon_1}{\epsilon_0} = 1 - j \frac{\sigma}{\omega \epsilon_0} \quad (9)$$

and putting in Eq. (8)  $T = \tau$  the following expressions for  $\gamma_0$ ,  $\beta_0$  and  $\alpha_0$  are obtained

$$\gamma_0 = -k \operatorname{tg} \Phi \sqrt{1 - \frac{j\sigma}{2\epsilon_0 \omega}}, \quad (10)$$

$$\beta_0 = \sqrt{k^2 \operatorname{tg}^2 \Phi + \alpha_0^2}, \quad (11)$$

$$\alpha_0 = \frac{\sigma}{4\beta_0 \epsilon_0 \omega}. \quad (12)$$

It follows from (11) that with the increase of attenuation constant  $\alpha_0$  the phase velocity of the wave decreases. The characteristic equation is obtained by mathematical transformation of Eqs.

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D201/D302

Interaction of the electron ...

(8) and (6), for the tube working as an amplifier

$$(\gamma^2 - \gamma_0^2) [(\gamma + j\beta_e)^2 + \Gamma q] = -\frac{q}{4}(\beta_0^2 - \alpha_0^2) \quad (14)$$

of the fourth order is obtained for  $\gamma$ , where

$$\Gamma = \frac{1}{4} \frac{1 - \frac{\alpha_0^2}{\beta_0^2}}{\eta^2 + \frac{2j\alpha_0}{\beta_0}}; \quad \eta = \frac{\omega}{u_0 \beta_0}. \quad (15)$$

This equation is the normal characteristic equation of a TWT and determines the propagation constants of four waves: Three forward and one backward. A normal absorbing insert exhibits attenuation which corresponds to  $\alpha_0/\beta_0 = 0.2$ ; the roots then of Eq. (14) differ and analytical expressions for them can be determined. A similar analysis to the above one has been performed for a helix in which absorption was determined by surface conductivity  $\sigma_1$  in a direction perpendicular to the helix turns. It is stated in conclusion *✓*  
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Interaction of the electron ...

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D201/D302

that the above analysis is qualitative only and that the results obtained cannot be used in cases when the phase velocity of the electromagnetic wave in the vicinity of the insert differs considerably from the velocity in other sections of the tube. The author acknowledges the assessment of his work by L.N. Loshakov. There are 4 figures and 7 references: 1 Soviet-bloc and 6 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: J.J. Caldwell, O.Z. Hoch, IRE Trans. 1956, ED-3, 1, 6; J.E. Rowe, Proc. IRE 1956, 44, 2, 200; C.H. Dix, IRE Trans., 1960, MTT-8, 1, 121; C.K. Bridesall, IRE Trans. 1959, ED-6, 1, 6.

SUBMITTED: December 28, 1960

✓K

Card 6/6

 PCHEL'NIKOV YU. N.

М. В. Голубев,  
А. С. Тарев

В О Господи  
О спасительниче Божије иметрови  
помози нашеј искреноста да се смири

१ अप्रैल  
(c 18 ते 22 वर्ष)

A. B. Bassas  
(1) *Intense gravitational collapse & temporal development*  
of voids

Г. А. Зоринов  
О функциональном континууме в электрическом поле

**М. В. Годун**  
Метод расчета параметров электронно-лучевой СВЧ  
генератора широкополосного типа

J. H. Johnson  
H. H. Johnson

Следующим направлением управления для института рекомендуется введение в защищаемую систему привилегий личностного доступа.

А. В. Гасюка  
Взаимодействие электромагнитных волн с оторванными электронами волокна

10 times  
( $\leq$  10 to 10 seconds)

**А. Н. Тиреева,  
В. А. Карабин**

М. Н. Рыбников,  
А. В. Родченко

В. А. Борисов, А. Н. Кузнецов, А. Н. Смирнов  
М. Н. Кузнецов, М. Н. Борисов, В. С. Красов

Вспомогательные исследования физиологии в  
мозговом

Dr. H. B. Brewster.

#### Maple Leaf

Радиодиагностичний трансформатор для різних устроє-  
вих вимірювань застосовується з частотою в

• 100 •

Report submitted for the Centennial Meeting of the Scientific Technological Society of  
Radio Engineering and Electrical Communications in A. S. Popov (VSEKSP), Moscow,  
8-12 June, 1959

**APPROVED FOR RELEASE: 06/15/2000**

CIA-RDP86-00513R001239810007-0"

PCHEL'NIKOV, Yu.N.

Interaction of an electron beam with the field of a helix in  
the region of the local attenuator. Radiotekh. i elektron.  
6 no.9:1501-1507 S '61. (MIRA 14:8)  
(Traveling-wave tubes)

PCHLOVODSTVO, "B. S."

Daghestan - Bee Culture

Developments in beekeeping on the collective farms of Daghestan S.S.R. Pchelovedstvo 29,  
No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 19<sup>2</sup>/, Uncl.

PCHELOVODSTVO, G.B.

Shakirov, D.T.

"Work practice of leading beekeepers of Bashkiria." Shakirov, D.T. Reviewed by G.B. Pchelovodstvo, 29, no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 1952, Uncl.

· PCHELIYAKOV, E.A., Inzh.; SOKOLOV, A.A., doktor tekhn. nauk

Calculating the flow parameters of the glass batch in the  
melting end, the feeder or the working end of a tank furnace.  
Stek. i ker. 22 no.7:1-4 J1 '65. (MIRA 18:9)

1. Gusevskoy filial Gosudarstvennogo instituta stekla (for Pcheliyakov).
2. Moskovskiy institut khimicheskogo mashinostroyeniya (for Sokolov).

PCHELYAKOV, S.

USSR

Head of the Chief Road-Building Administration under the Russian Republic Council of Ministers, (1949)

"Road Construction Is of Nation Wide Concern," Pravda, June 30, 1949

SOURCE: Current Digest of the Soviet Press, Vol. 1, No. 27, 1949, page 52.  
( In CIA Library)

PCHELYAKOV, V.P. (Odessa, Valikhovskiy per., d.2, kv.65)

Experimental histological investigations on the reactivity of  
the corneal tissue. Arkh.anat.gist.i embr. 37 no.8:39-47  
Ag '59. (MIRA 12:11)

1. Kafedra gistologii i embriologii (zav. - prof.Z.S.Katsnel'son)  
Leningradskogo veterinarnogo instituta.  
(CORNEA physiol)  
(RECOMMENDATION)

PCHELYAKOV, V.P.

Cultivation of cornea tissues by the method of implantation. Dokl.  
AN SSSR 117 no.2:317-319 N '57. (MIRA 11:3)

1. Leningradskiy veterinarnyy institut. Predstavлено академиком  
I.I. Shmal'gauzenom.  
(CORNREA--TRANSPLANTATION) (TISSUE CULTURE)

PCHELYAKOV, V.F. (Odessa, D-57, Meditsinskiy pereulok, 2, kv.65)

Early stages of the development of eyelids in man. Arkhiv.anat.,  
gist.i embr. 43 no. 9:83-87 S '62. (MIRA 17:9)

1. Kafedra gistologii i embriologii (zav. - prof. N.D.Zaytsev)  
Odesskogo gosudarstvennogo meditsinkogo instituta imeni Pirogova.

PCHELYAKOV, V.F.

USSR/General Biology. General Histology.

B-3

Abs Jour: Ref Zhur-Khim., No 20, 1958, 90325.

Author : Pchelyakov, V.F.

Inst :

Title : Cultivation of Corneal Tissue in the Organism.

Orig Pub: Dokl. Akad SSSR, 1957, 117, No 2, 317-319.

Abstract: Pieces of cornea, separated from the eyeball of a rabbit, were implanted in the subcutaneous cellular tissue of the abdominal wall of animals of the same species and were subjected to histological investigation after periods of 2-18 hours and 1-30 days. An inflammation in the surrounding cellular tissues developed immediately after implantation. Regressive processes - oedematosis, destruction of the lamellar connective tissue - predominated in the cornea in the beginning. Later the corneal epithelium became

Card : 1/2

10

PCHELYAKOV, V.P.

Studies on the proliferating properties of corneal tissue in wound healing. Biul.eksp.biol. i med. 45 no.6:92-94 Je '58 (MIRA 11:8)

1. Iz kafedry gistologii i embriologii (zav. - prof. Z.S. Katsnel'son) Leningradskogo veterinarnogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR N.G. Khlopinym.

(CORNEA, wounds and injuries

exper., proliferating properties of tissue in healing  
(Rus))

PCHELYAKOV, V. F.

PCHELYAKOV, V. F. -- "The Histogenesis and Reactive Changes in the Tissue of the Cornea of Domestic Animals." Min Higher Education USSR. Leningrad Veterinary Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

PCHENYAN, A.

At the Sungait pipe rolling mill. Metallurg 3 no.7:33 J1 '58.  
(MIRA 12:1)

(Sungait--Rolling mills)

AUTHOR: Pchemyan, A.

SOV/130-58-7-16/35

TITLE: At the Sumgait Tube Rolling Works (Na Sumgaitskom  
truboproykatnom zavode)

PERIODICAL: Metallurg, Nr 7, pp 32 - 33 (USSR)

ABSTRACT: The Sumgait Tube Works have been built near Baku to supply the needs of the Azerbaijani oil industry. The cogging mill was commissioned in the summer of 1957 and production is still expanding. This very brief note contains some illustrations of the plant and personnel, including the following: A. Aliyev, Ali Gashimov, I. Mineyev, A. Ivanov, V. Goncharenko, Aga Neymatulla.  
There are 8 illustrations.

Card 1/1 1. Rolling mills 2. Metal tubing--Production

PCHEMYAN, A. (Sumgait)

Volunteers are working for the State Automobile Inspection.  
Za rul. 21 no.2:28 F '63. (MIRA 16:4)

(Sumgait—Traffic regulations)

AUTHOR: Pchemyan, A.

SOV/130-58-7-16/35

TITLE: At the Sumgait Tube Rolling Works (Na Sumgaitskom  
truboprokatnom zavode)

PERIODICAL: Metallurg, Nr 7, pp 32 - 33 (USSR)

ABSTRACT: The Sumgait Tube Works have been built near Baku to supply the needs of the Azerbaijani oil industry. The cogging mill was commissioned in the summer of 1957 and production is still expanding. This very brief note contains some illustrations of the plant and personnel, including the following: A. Aliyev, Ali Gashimov, I. Mineyev, A. Ivanov, V. Goncharenko, Aga Neymatulla.  
There are 8 illustrations.

Card 1/1 1. Rolling mills 2. Metal tubing--Production

PCHOVA, MARIE

SOLAR, Vaclav; PCHOVA, Marie

New type of Salmonella isolated from rat. Cesk. hyg. epidem.  
mikrob. 2 no.2:154-157 Apr '53.

1. Ustav epidemiologie a mikrobiologie, Praha. Reditel doc. dr.  
K.Raska.

(SALMONELLA,  
isolation from rat of new type)

Pszczółkowski W.

4014

020.842.2 : 031.422.001.5

Pszczółkowski W. Effective Range of Irrigation by Seepage in the Heavy Alluvial Soils of the Żuławy Delta (Vistula Delta).

„Zasięg działania nawodnienia podziemkowych na ciężkich madach żuławskich”. Gospodarka Wodna, No. 6, 1955, pp. 234–231, 2 figs., 3 tabs.

An experimental station has been set up in Fliszew at the southern end of the Żuławy Delta. Research at the station has been directed towards establishing the extent to which irrigation by seepage during the crop vegetative season is effective in the heavy alluvial soils of the Delta. For the experiments, a line of small wells was dug perpendicularly to a field ditch. The water level in the ditch was kept high by supply from a nearby canal. To establish the physical properties of the soil profile along the line of wells, a trench was cut. Measurements of the influence of irrigation by seepage on the ground-water level demonstrated the insufficiency of such irrigation from drainage or irrigation ditches in heavy alluvial soils; other more effective methods must therefore be sought.

PG

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239810007-0

P'DAREVA, L.

Let's Be Like Them, Radio Engineering, #4:9:Apr.55

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239810007-0"

PDDUBNYY, S.A.

KHUTIKHOVSKAYA, Z.A.; PDDUBNYY, S.A.; PAISREVSKAYA, A.I., redaktor.

[Manual of instructions on gravimetric prospecting with variometers]  
Instruktsiia po gravirazvedke s variometrami. Utverzhdena E.T.Shatalovym 24 iulija 1952 g. Moskva, Gos. izd-vo geol. lit-ry, 1952. 84 p.  
(MLRA 7:4)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii.

(Prospecting--Geophysical  
methods)

CALOMFIRESCO, Al.; WOLSKI, V.; GRIGORIU, T.; RADULESCO, E.; PEARA, M.; IONESCO, M.; NITZCULESCO, C.

Correlation between the immunological level of the population and the circulation of *C. diphtheriae* during the stage of diphtheria eradication. Arch. Roum. path. exp. microbiol. 23 no.4:1053-1060 D '64.

1. Centre sanitaire, Service anti-epidemique, Bucarest (for Calomfiresco, Wolski), Laboratoire Central de Bacteriologie I.S.I.P.M., Bucarest (for Grigoriu, Badulesco, Peaha, Ionesco, Nitczulesco).

UDC: 613.2-099:576.881.49.093.1

RUMANIA

SZEGLI, Lucia, Dr., MOSCU, M., Dr., NEGUT, M., Dr., SALNEA, I., Dr., PEAHA, Margareta, Dr., and ZAMFIR, Maria, Technician. Work performed at the "Dr I. Cantacuzino" Institute of Microbiology, Parasitology, and Epidemiology (Institutul de Microbiologie, Parazitologie, si Epidemiologie "Dr. I. Cantacuzino"), Bucharest.

"Isolation of Salmonella vom, from a Focus of Toxicoinfectary Infection."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 5, Sep-Oct 66, pp 413-418.

Abstract [Authors' English summary modified]: The authors report an outbreak of alimentary toxininfection with a strain of B-group salmonella, namely Salmonella vom. Approximately 400 individuals were affected after eating some pork; the germs were isolated from approximately 47 percent of the patients and from the meat. The clinical evolution was benign. The germs were sensitive only to streptomycin, chloramphenicol and neomycin.

Includes 5 references, of which 3 Rumanian, one German and one English-language. -- Manuscript submitted 9 December 1965.

1/1

PEAK, I. (Szeged)

Automata and semi-groups. Pt.1. Acta math Szegedi 25 no.3/4:  
193-201 '64.

1. Submitted June 8, 1963.

PEAK, I. (Szeged)

"The algebraic theory of semigroups" by A.H.Clifford, G.B.Preston.  
Reviewed by I.Peak. Acta math Szeged 24 no.3/4:271-272 '63.

*Pebalk, V. L.*

*The hydraulics of horizontal, rotational distillation apparatus.*  
V. L. Pebalk and S. I. Strizhenov. *Trudy Mekhan.*  
*Inst. vodorazrab. Tekhnol. im. M. V. Lomonosova* 1955.  
No. 5, 37-44.—Theoretical. J. Ruxtar Leach

*2*

*S*

*DM*

GEL'PERIN, N.I.; PEBALK, V.L.; CHICHERINA, T.G.

Packed pulse columns for extraction. Khim. prom. no.2:111-115  
F '63. (MIRA 16:7)

(Packed towers) (Extraction(Chemistry))  
(Mass transfer)

GEL'PERIN, N.I.; PEBALK, V.L.; BARANOVA, Z.P.

Study of mass transfer in rotating disk extractors. Khim. i  
tekhn. topl. i masel 8 no.6:46-52 Je '63. (MIRA 16:6)

1. Institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.  
(Extraction apparatus)  
(Mass transfer)

GEL'PERIN, N.I.; PEBALK, V.L.

Calculation of the processes of rectification of binary mixtures  
in the y - x diagram. Khim. prom. no.6:440-445 Je '63.  
(MIRA 16:8)

(Distillation, Fractional)  
(Plate towers)

GEL'PERIN, N. I.; FEBALK, V. L.; YURCHENKO, L. D.; ASSMUS, M. G.; BARANOVA, Z. P.;  
SHASHKOVA, M. N.; CHICKERINA, T. G.; ZAMISHLYAYEV, V. G.; CHEKHOV, Yu. K.;  
KUZNETSOVA, M. I.

"Investigations in the field of the technique of liquid extraction."  
report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12  
May 1964.

Moscow Inst of Light Chemical Technology.

GEL'PERIN, N.I.; PEBALK, V.L.; CHEKHOV, Yu.K.

Columnar mixing and settling extractor with vibratory perforated  
plates. Zhim. prom. 41 n.1:77-81 Ja '65.

(OKRA 16:3)

GEL'PERIN, N.I., doktor tekhn.nauk; PEBALK, V.L., kand.tekhn.nauk; CHICHERINA,  
T.G., kand.tekhn.nauk; SHASHKOVA, M.N., inzh.

Horizontal multistage atomizing extractor. Khim. i neft. mashinostr.  
(MIRA 18:10)  
no.9:1-3 S '65.

GEL'PERIN, N.I.; PEBALK, V.L.; ZAMYSHLYAYEV, V.G.; CHICHERINA, T.G.

Cylindrical mixer-sedimentation extractor. Zhur.VKEO 10  
no.4:462-463 '65. (MIRA 18:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

GEL'PERIN, N.I.; PEBALK, V.L.; ROZOV, V.N.; ZAMYSHLYAYEV, V.G.; SOKOLOVA,  
T.O.; MILOVANOVA, I.B.; YEPISHEVA, M.S.

Fractional reextraction of metals from complex metal soaps.  
TSvet.met. 38 no.10:41-49 O '65.

(MIRA 18:12)

GEL'PERIN, N.I.; PEBALK, V.L.; ROZOV, V.N.; ZAMYSHLYAYEV, V.G.; MILOVANOVA,  
I.B.

Extractive refining of a nickel electrolyte from iron and copper.  
Tsvet. met. 37 no.9:19-22 S '64. (MIRA 18:7)

SHANIN, S.A.; BALABAY, F.I.; KONONENKO, D.F.; MIKULIN, G.I. [Mykulin, H.I.];  
BOROVSKAYA, N.V. [Borova'ka, N.V.]; SHINKEVICH, A.P. [Shynkevych, A.P.];  
LIBERZON, L.M.; AMELIN, A.G. [Amelin, A.H.]; BUHYAK, K.A.; PECHONKIN,  
V.V. [Piechonkin, V.V.]; YATSENKO, N.N.; GAL'PERIN, N.I. [Hal'perin,  
N.I.]; PEBALK, V.L.; CHEKHOVYCH, Yu.K.

Inventions and improvements; certificates of inventions. Khim.prom.  
[Ukr.] no.2:62-64 Ap-Je '65. (MIRA 18:6)

PEBALK, V.L.; GEL'PERIN, N.I.; SHASHKOVA, M.N.; KUZNETSOVA, M.I.

Calculation of the processes of liquid extraction from multicomponent  
solutions. Khim. prom. 41 no.3:212-217 Mr '65. (MIRA 18:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
Lomonosova.

510. EQUIPMENT FOR SYNTHETIC LIQUID FUEL PLANTS. INSTITUTE OF POLYMER TECHNOLOGY, INC., NEW YORK CITY, N.Y. V.I.S. Y.L. (MOSCOW) 1950. VOL. 50, NO. 1, JANUARY, 1950. VOL. 50, 1/50.

**APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001239810007-0"**

GEL'PERIN, N.I.; PEBALK, V.L.; ROZOV, V.N.; ASSMUS, M.G.; MILOVANOVA, I.B.

Extractive purification of nickel solutions from iron and  
copper impurities. TSvet.met. 36 no.2:37-42 F '63.

(MIRA 16:2)

(Nickel—Electrometallurgy) (Electrolytes)  
(Extraction (Chemistry))

PEBALK, V. L.

"Study of the Process of Film Rectification in Horizontal Rotary Rectifiers."  
Sub 12 Mar 51, Moscow Inst of Fine Chemical Technology imeni M. V. Lomonosov

Dissertations presented for science and engineering degrees in Moscow during  
1951.

SO: Sum. No. 480, 9 May 55

1. GEL'PERIN, N.I.; PEBALK, V.L.
2. USSR (600)
4. Distillation
7. Investigation of the rectifying capacity of horizontal rotating apparatus,  
N.I. Gel'perin, V.L. Pebalk, Zhur.prikl.khim. 26 no. 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

V. L. PEBALK

N/5  
741.96  
.F6

FOKIN, VLADIMIR YAKOVLEVICH

Obrudovaniye Zavodov Iskusstvennogo Zhidkogo Topliva (Equipment of synthetic  
fuel oil plants, by) V. Ya. Fokin i V. L. Pebalk. Moskva, Gostoptekhizdat, 1955.  
400 p. illus., Diagrs., Tables.  
Literatura: P. (395)

SOV/124-58-2-2008

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 72 (USSR)

AUTHORS: Gal'perin, N. I., Pebalk, V. L.

TITLE: Investigation of the Aerodynamic Drag During the Motion of a Biphase System in a Vertical Conduit (Issledovaniye aerodinamicheskogo soprotivleniya pri dvizhenii dvukhfaznoy sistemy v vertikal'nom truboprovode)

PERIODICAL: Tr. Mosk. in-ta tonkoy khim. tekhnol., 1956, Nr 6, pp 93-104

ABSTRACT: In order to investigate the pressure losses encountered in the motion of a system consisting of a liquid and solid particles with reference to the transportation of coal, the authors assembled a special rig consisting of a vertical metal pipe, a cyclone, a bin, and a feed worm. Air from an air blower was introduced at the bottom, entrained the particles which were introduced from above, carried them along the pipe, and exhausted them into the cyclone. The quantity of the coal introduced into the tube, the air flow, and the pressure drop at the top and bottom points of the tube were measured. From an analysis of the experimental results and some theoretical considerations an equation was derived for the drag coefficient of the vertical portions of the pneumatic

Card 1/2

SOV/124-58-2-2008

Investigation of the Aerodynamic Drag During the Motion of a Biphase (cont.)

transportation system. The values of the drag coefficient computed according to the formula derived differ from the experimental values by 5-7 percent. The author establishes the feasibility of operation of the air-lift with the introduction of a supplementary flow of comminuted material into an intermediate section along the height of the pipe.

U. Ts. Andres

Card 2/2

GEL'PERIN, N.I., doktor tekhn.nauk; PEBALK, V.L., kand.tekhn.nauk;  
SHASHKOVA, M.N.

Horizontal multistage tube-still extractor. Khim.prom.  
no.6:427-433 Je '62. (MIRA 15:11)

l. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.  
Lomonosova.

(Extraction apparatus)

PEBAIK, V. L. and FOKIN, V. A.

"Equipment of Synthetic Liquid Fuel Plants. Assembling, Repair and Operation",  
Gostoptekhizdat, Moskva, 1955.

The book deals with the problems of assembling, repair and operation of machinery  
and equipment at synthetic liquid fuel plants of the USSR and represents a textbook  
for higher technical educational institutions of the USSR.

Translation TABCON - 550583

PEBALK, V.L.

Analytical determination of the number of transition units. Zhar.  
VKhO 6 no.5:589-591 '61. (MIRA 14:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

(Mass transfer)

GEL'PERIN, N.I.; PEBALK, V.L.; KUZNETSOVA, M.I.

Rotary extraction column with alternating mixing packing-free separation zones. Zhur.VKHO 7 no.1:114-115 '62. (MIRA 15:3)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

(Extraction apparatus)

GEL'PERIN, N.I.; PEBALK, V.L.

Problem of the average driving force of countercurrent mass transfer processes. Zhur. VKhO 8 no.5:595-596 '63.

(MIRA 17:1)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii  
imeni Lomonosova.

15-112-17, 24/11/1960, 11:15:00 AM

FOKIN, Vladimir Yakovlevich; PERALY, Vladimir L'vovich; L'VOVA, L.A.,  
redaktor; D'YAKOV, V.G., retsenzent; KAMZHEV, V.I., retsenzent;  
POLUBOYARINOV, G.N., retsenzent; ROZHINSKIY, P.S., retsenzent;  
SAPSAYENKO, I.I., retsenzent; CHERNYSHEVA, I.G., retsenzent

[Equipment of factories producing synthetic liquid fuel; instal-  
lation, maintenance, and operation] Oborudovanie zavodov iskusstven-  
nogo shidkogo topliva; montazh, remont i ekspluatatsiya. Moskva, Gos.  
nauchno-tekhnik. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 400 p.  
(Liquid fuels) (MIRA 9:3)

**P E B S E N**

Author : Ref Muur - Bick., p. 5, 1963, 1963

Author : Peisen

Title : Nature of Fungi which Best Resist Salty Oceans (p. 112).  
Book, A. T. (1963) Reference to Table Salt.

Original Pub : Berndtsson, Lund, Med. Konserv. og fødevarer, 1963, 1, 245-250  
namech. v. Det. medd. af M., 1963, 1, 245-250

Abstract : A study was conducted of 100000 new and unidentified  
to NaCl of 2 species of red algae, mostly found rocks. It  
was established that the fungi are differentiated by hyphae or  
not, and that first the connective tissue and in turn  
the meat, and then last the connective tissue and in turn  
the fibers. Most sensitive to NaCl were *Gelidium lactic*  
*Micropora* and *Grindelia*; more resistant were *Cardosaria* in hair  
*barum* and *Alveopeltis* aliger, and especially *Penicillium*  
*glaucum*, which developed well in an agar suspension with  
20% salt. *Aspergillus* fuscus proved to be a halophyte.

Card 4/2

PEBSEN, E.

FA 31/49T110

USSR/Medicine - Veterinary Medicine Oct 48  
Medicine - History

"The 100th Anniversary of the Veterinary Faculty  
of the Tartu State University," E. Pebsen, Cand  
Vet Sci, Dean of Vet Faculty, Tartu State U, 1 p

"Veterinariya" No 10

Summarizes history of subject faculty.

31/49T110

PE 6SEN, E

PPARSON, F., (Dean) (original Russian text checked for correction)

"To the specialists who have graduated from the Tartu Veterinary Faculty  
formerly known as Jur'ev Veterinary Institute."

SO: Vet. 25(5), 1948 p 48

PEBZNER, D.

5

1401. Vulcanization of butadiene-styrene rubber  
in presence of sulphinamide accelerators. B.  
DOGARKIN, M. FEL'DVIRTEIN and D. PEBZNER, Zhur.  
prikl. Khim., 1958, 28, 533-42; A. N. S. 1958,  
8, abs. 910. Benzothiazolesulphur-(N-diethyl) amide  
combines with butadiene-styrene rubber on heating  
and vulcanizes it, even in the absence of sulphur.  
Sulphinamide accelerators enable the dosage of  
sulphur to be reduced and the activator, such as  
zinc oxide, to be omitted. 352D21MD23.54922T22.0

PEIBNER, D.

4

Vulcanization of butadiene-styrene rubber by presence of sulphur-amide accelerators. G. Dvorkin, M. Es'chablin and D. Polubotko (Zh. prikl. Khim., 1958, 31, 533-537). Benzothiocarbonyl diethyldiamide combines with butadiene-styrene rubber on heating and vulcanizes it, even in absence of S; a free-radical mechanism is proposed. Sulphuramide accelerators enable the dosage of S to be reduced and the activator (ZnO) to be omitted. Laminated plastics made from the product have an increased strength. The vulcanization process is characterized by the occurrence of an initial induction period.

P. W. KIRKMAN

INC

(2)

PEC,J.

Difficulties in the diagnosis and therapy of primary carcinoma  
of the male urethra. Rozhl. chir. 43 no.3:168-174 Mr'64

1. Urologicke oddelenie OUNZ v Marine; vedouci: MUDr. J.Pec.

\*

Pec, J.

Disorders of the urinary and genital organs in agenesis of the abdominal muscles. Rozhl. chir. 38 no.10:672-676 O '59.

1. Urologické oddelenie OUNZ v Martine, prednosta MUDr. J. Pec.  
(ABDOMINAL WALL abnorm.)  
(UROGENITAL SYSTEM dis.)

PEC, J.

Disorders of the urinary and genital organs in agenesis of the abdominal muscles. Roshl. chir. 38 no.10:672-676 O '59

1. Urologicke oddelenie CUNZ v Martine, prednosta MUDr. J. Pec.  
(ABDOMINAL WALL, abnorm.)  
(UROGENITAL SYSTEM, dis.)

NABELEK, L.; PEC, J.

Fournier's gangrene. Rozhl. chir. 37 no.5:305-310 May 58.

1. Urologické oddelenie OUNZ v Martine, prednosta MUDr. J. Pec.  
Venované k 50. narodeninám prim. MUDr. P. Steinera.

(SCROTUM, dis.

Fournier's dis., case report (Cz))

PBC, J.; RABEJK, L.

Personal experience with anuria caused by ureteral obstruction with a solitary kidney. Rozhl. chir. 37 no.5:347-350 May 58.

1. Urologické oddelenie OUNM v Martine, prednosta MUDr. J. Peo. Venovane k 50. narodeninam prim. MUDr. P. Steinera.

(ANURIA, etiol. & pathogen.

ganglioneuroma of ureter & solitary kidney, case report (Cz))  
(URETERS, neoplasms

ganglioneuroma with involvement of solitary kidney causing  
anuria, case report (Cz))

(KIDNEYS, neoplasms

ganglioneuroma of solitary kidney with ureteral involvements  
causing anuria, case report (Cz))

*Excerpta Medica 3/1 sec 16 Jan 55 Cancer*

305. PEC J. Prevencia a diagnostika rakoviny moč. mechúra a močovej rúry *The prevention and diagnosis of cancer of the urinary bladder and of the urethra* Lek. obzor (Bratislava) 1953, 2/12 (748-752)

A survey is given of benign and malignant tumours of the urinary bladder and of the urethra. The latter are more frequent in women. The necessity of regular medical examination of workers who come into contact with aromatic carcinogenic hydrocarbons is stressed.

Adámek — Náchod

PEC, K.

Waves of the Rayleigh type in an internal stratum. In French. P. 1. p. 69.  
(BEOFYSIKALNI SBORNÍK, No. 20/35, 1955 (published 1956), Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

PEC, K.

The mixed external boundary value problem for a sphere. In English.

P. 367, (Geofysikalni Sbornik) Ceased publication. No. 36/60, 1956 (Published 1957)  
Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

PEC, K.

Waves of the Rayleigh type in an internal layer. Pt. 2. In French.

P. 383, (Geofysikalni Sbornik) Ceased publication. No. 36/60, 1956 (Published 1957)  
Praha, Czechoslovakia

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

PEC, K. ; TOBYAS, V. ; VANEK, J.

Jan Bouska and Jaroslav Prochazka's Uvod do geofysiky (Introduction to Geophysics)  
a book review. p. 485

Vol. 5, no. 4, July 1955  
CESKOSLOVENSKY CASOPIS PRO FYSIKU  
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

PEC, Karel

The theory of seismic waves aroused by a plane source in an elastic semi-space. Studia geophys 6 no.1:65-74 '62.

1. Geophysikalisches Institut der Karls-Universitat, Praha 2,  
Ke Karlovu 3.

JANACKOVA, Alena; PEC, Karel

The periodical "Space Science Reviews". Pokroky mat fyz  
astr 8 no.6:355 '63.

PEC, Karel

Attenuation of SH waves before cut-off frequency. Studia  
geophys 8 no. 2:140-147 '64.

1. Institute of Geophysics, Prague 2, Ke Karlovu 3.

NOVOTNY, Oldrich; PEC, Karel

Equivalence between Love waves propagating in double layer  
and single layer medium. Studia geophys 8 no.1:24-33 '64.

1. Geophysical Institute, Charles University, Praha 2, Ke  
Karlovu 3.

PEC, Karel

Continental waves in Central Europe. Geofys sbornik 9:123-192 '61.

1. Geophysical Institute, Charles University, Prague.

JEC, Karel

The theory of seismic waves caused by a plane source in  
elastic semi-space. Part 3. Studia geophys 6 no.2:152-167  
'62.

1. Geophysikalisches Institut der Karlsuniversitat,  
Ke Karlovu 3, Praha 2.

Z/023/61/000/003/001/005  
D006/D102

AUTHOR: Pěč, Karel

TITLE: Lg and Rg phases observed in Prague

PERIODICAL: Studia geophysica et geodaetica, no. 3, 1961, 219-226

TEXT: The paper presents some preliminary results concerning the velocity, regional characteristics and amplitudes of Lg and Rg phases observed in Prague. The study was based on data obtained from measurements of 340 earthquakes recorded at the Prague station during the period from 1933 to 1957. A detailed map of continental earthquakes, including data on Lg phases, as well as all experimental earth-data and pertinent information will be published in the Travaux de l'Inst. Géophys. de l'Acad. Tchécosl. Sci. No 152, Geofysikální sborník 1961, NCSAV, Prague 1962. The measurements included the arrivals, amplitudes and frequencies of all waves following the S-waves. They were made with a Wiechert horizontal pendulum ( $M = 1,000$  kg; median constant: Component NS:  $T_0 = 9.8$  sec;  $\epsilon: 1 = 5.1$ ;  $V_0 = 224$ ; component EW:  $T_0 = 9.8$  sec;  $\epsilon: 1 = 4.8$ ;  $V_0 = 216$ ). Data on some of the earlier

... of some of  
... the exception of  
... show an anomalous decrease  
... apical distance. This anomaly

Card

Card 1/3

Lg and Rg phases ...

Z/023/61/000/003/001/005  
D006/D102

is probably caused by regional influences of the crust-thickness variations in the Mediterranean zone and in Asia Minor. There are 4 figures, 2 tables and 20 references: 4 Soviet-bloc and 16 non-Soviet-bloc. The references to the four most recent English-language publications read as follows: M. Bath, A continental channel wave guided by the intermediate layer in the crust, Geofis. pura e appl., 38 (1958), 19-31; M. Bath, Channel waves, J. Geophys. Res., 63, (1958), 583-587; E. Herrin, P. D. Minton, The velocity of Lg in the South Western United States and Mexico, Bull. Seism. Soc. Am., 50 (1960), 35-44; E. Herrin, J. Richmond, On the propagation of the Lg phase, Bull. Seism. Soc. Am., 50 (1960), 197-210. (Technical Editor: J. Vaněk).

ASSOCIATION: Institut Géophysique de l'Université Charles, Prague  
(Geophysical Institute, Charles University, Prague). /

SUBMITTED: December 7, 1960.

Card 3/3

SYC, Stefan; PEG, Kazimierz

A case of generalized herpes zoster with paresis during the course of chronic lymphatic leukemia. Pol. tyg. lek. 17 no.36:1430-1433 3 S '62.

1. Z Oddzialu A Chorob Wewnetrznych; ordynator dr med. Stefan Syc --  
Szpitala Wojewodzkiego w Opolu; dyrektor: Borys Glazer; Konsultant  
Wojewodzki: prof. dr Zdzislaw Wiktor.  
(HERPES ZOSTER) (PARALYSIS) (LEUKEMIA LYMPHOCYTIC)

KVETINA, J.; techn spoluprace PECA, O.; CELEROVA, J.; DYNTAROVA, H.

Pharmacodynamics of jolsin and its metabolites during the course of  
radiation injury. Bratisl. lek. listy 63 no.1:41-51 '63.

1. Z katedry farmakologie lek. fak. KU v Hradci Kralove, vedouci  
prof. MUDr. V. Grossmann.  
(RADIATION INJURY EXPERIMENTAL) (MEPERIDINE)